


REMARKS

This preliminary amendment is made to conform the Brief Description of the Drawings in the specification to the format of the formal drawings submitted herewith. No new matter has been added by way of this amendment.

An early Office Action on the merits of the application is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Anna Löqvist', written over a horizontal line.

Anna Löqvist, Ph.D.

Limited Recognition Under 37 C.F.R
10.9(b) (see attached)
Representative of Applicants

DARBY & DARBY, P.C.
Post Office Box 5257
New York, NY 10150-5257
Phone (212) 527-7700



EXPRESS MAIL CERTIFICATE

Date 3/29/02 Label No. EU

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Name (Print) A. Diullo

Signature A. Diullo

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PATENT TRADEMARK OFFICE

Docket No: 4079/1H29US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Maria-Grazia ASCENZI

Serial No.: 09/981,684

Art Unit: 1615

Confirmation No.: 6620

Filed: October 17, 2001

Examiner: TBA

For: SYSTEM AND METHOD FOR MODELING BONE STRUCTURE

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MARK-UP FOR PRELIMINARY AMENDMENT

Hon. Commissioner of
Patents and Trademarks
Washington, DC 20231

March 29, 2002

Sir:

IN THE SPECIFICATION:

Please amend the specification pursuant to 37 C.F.R. 1.121 as follows:

Please amend the paragraph on page 6, lines 4-8, as follows:

Figure 2 (a) and (b). (a) Diagram of a diaphysis sector of cortical long

bone. The osteons or haversian system (HA) are located between the outer OL and inner IL circumferential lamellae. The osteonic lamellae are disposed cylindrically around the haversian canal (HC). **(b-d)** Cross-sectioned osteons as seen **([A]b)** under a light microscope; **([B]c)** in a microradiograph; and **([C]d)** under the polarizing microscope.

Please amend the paragraph on page 6, line 25 to page 7, line 7, as follows:

Figures 8(a) [and] to ([b]d). **(a)** Bending of femur due to gravity. C indicates the area under compression and T indicates the area under tension. **([b])** Diagrams [A, B, and C] **(b), (c), and (d)** display the distribution of transverse and longitudinal lamellae in the sections prepared from the upper, middle and lower shaft, respectively. The posterior, anterior, medial and lateral regions correspond to the top, bottom, left and right regions, respectively, on the page. The distance between the centers of two adjacent square symbols measures 1.86 mm. The size of the square symbol is proportional to the ratio of the bright area in circularly polarized light to bright area in a dark field illumination. The regions with dominant transverse lamellae correspond to the regions with concentration of larger squares in the upper medial, middle medial-posterior and lower posterior shaft, which correspond to the areas of compression in (a). The regions with dominant longitudinal lamellae correspond to the regions with concentration of smaller squares in the upper lateral, middle lateral-anterior, and lower anterior shaft, which correspond to the areas of tension in (a).